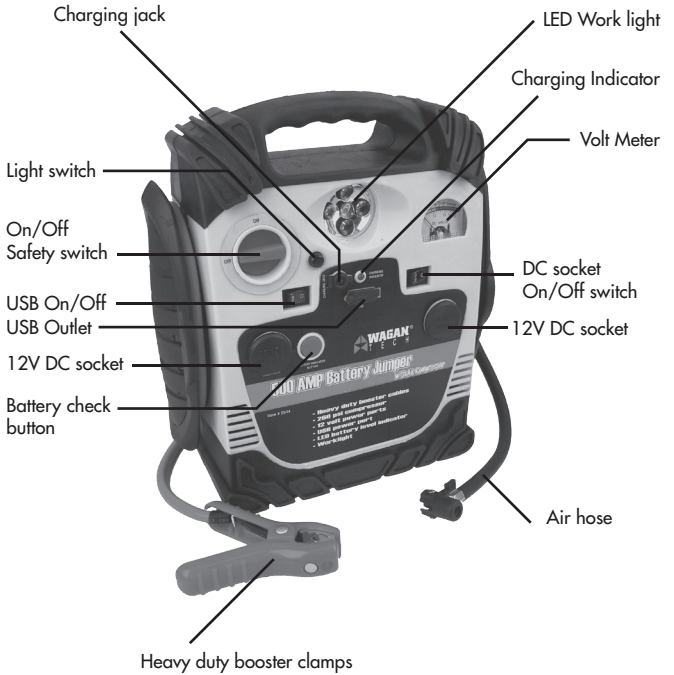
WAGAN® TECH

Item no. 2544

500 Peak Amp Jumpstarter with Air Compressor

User's Manual

FRONT FEATURES & FUNCTIONS



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BACK FEATURES & FUNCTIONS

Thank you for purchasing 500 Peak Amp Jumpstarter with Air Compressor by Wagan Tech. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully before use.

IMPORTANT

PRIOR TO USE, READ AND UNDERSTAND ALL WARNINGS, CAUTIONS AND INSTRUCTIONS INCLUDED IN THIS INSTRUCTION MANUAL AND THOSE PUBLISHED BY YOUR VEHICLE BATTERY MANUFACTURER AND MANUFACTURER OF ANY DEVICE INTENDED TO BE USED WITH THIS UNIT. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

CAUTIONS:

- Never work alone with this product. Make sure that someone is available to give assistance if needed.
- Wear complete eye and clothing protection. Do not touch eyes while working near battery.
- Do not attempt to remove or replace the battery used in this device. When the battery has reached the end of its useful lifetime, take the entire unit to a battery recycling facility.
- For proper and safe operation of the 12 Volt DC power accessory outlets do not place anything into them except the plug of the accessory to be used.
- Remove metal jewelry such as rings, bracelets, necklaces and watches while working with a lead acid battery. They can produce a short-circuit that may cause severe burns.
- Never charge or attempt to jumpstart a frozen battery.
- Never allow clamps (positive & negative terminals) to touch together or to connect the same piece of metal to prevent short-circuits and arcing.

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- Do not operate this device while wearing vinyl clothing. Static electricity may be generated when vinyl clothing is rubbed.
- This product is not intended for use in the rain or temperatures above 130°F.
- Use only the provided chargers, cables and clamps. Unauthorized parts may damage the unit.
- The product must be properly assembled in accordance with the assembly instructions before it is used.
- This product has no consumer serviceable parts.
- This product is not a toy. Keep out of the reach of children.
- Keep battery terminals clean. Be careful to keep corrosion from coming in contact with eyes.
- Do not let the wires of the jumpstarter or attached appliances get wet.
- Do not operate this unit in or around water. Water can damage the unit.

CHARGING AND RECHARGING:

- WARNING: Do not overcharge this unit. Overcharging may result in damage. Prior to charging, read and understand all instructions.
- This product may arrive partially charged from the manufacturer. It is recommended to fully charge the unit immediately after purchase and before using for the first time.
- The red charging LED indicator will be illuminated while charging. After charging period is completed, push the red “Battery Indicator Button” and the battery voltmeter should register between 12–14V. The battery is now fully charged.
- Do not charge the unit for more than 48 hours continuously.

- Do not charge the unit on a boat, boat ramp or dock since the electrical cords and outlets used for charging could cause severe electrical shock if they get wet.
- It is recommended that the unit be in an upright position while charging.
- Make sure both cable clamps (positive and negative) are placed in their storage holsters when not in use.

CHARGING WITH THE 110V AC CHARGER:

1. Insert the AC charger plug into charging jack of the unit.
2. Insert the AC charger receptacle plug into an AC receptacle.
3. The unit times are as follows:
    - Initial first time charge: 38 hours continuously
    - Recharge or between use: around 34 hours continuously.
4. When charging is complete, unplug the AC charger receptacle plug, then the AC charger from the charging jack on the unit.

CHARGING WITH THE 12 VOLT DC CHARGER:

1. Insert the DC charger plug into the charging jack of the unit.
2. Insert the DC charger plug into a vehicle cigarette lighter socket.
3. Fully charge the unit for around 14 hours continuously, while the engine is running.
4. When charging is completed unplug the DC charger accessory plug first, and then the DC charger from the charging jack on the unit.

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JUMPSTARTING A VEHICLE

WARNING: Vehicles equipped with onboard computers may be affected if the engine battery is jumpstarted. Read your vehicle owner's manual before attempting to start the vehicle to determine if external starting assistance can be used. Failure to follow these instructions may cause damage or even an explosion. Use safety glasses to protect eyes while jumpstarting a battery.

1. Turn off the vehicle ignition and all other accessories (e.g. the radio, lights, air conditioner and cellular phones].
2. Set the emergency brake and put vehicles with automatic transmissions in park position.
3. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal usually is larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle owner's manual.
4. Determine whether your vehicle uses a negative or positive grounded system:
    - Negative ground system: Negative battery terminal is grounded to the vehicle chassis. Most vehicles use this system.
    - Positive ground system: Positive battery terminal is grounded to chassis or any other part of the vehicle. If you are unsure, you should refer to vehicle owner's manual.
5. Access the clamps by pressing clamp handles inward. Pull the clamps downward and remove the clamps from the holders in a downward angle. Never allow clamps (positive & negative terminals) to touch together or to contact the same piece of metal to prevent short-circuits and arcing.
6. Determine if you are using a negative grounded system or positive grounded system and follow the instructions for the system as indicated:

- Follow instructions for a negative grounded system as indicated below:
    a. Securely connect the positive (+) red clamp to the positive (POS, P, +) terminal of the vehicle battery or the remote positive (+) terminal if equipped.
    b. Securely connect the negative (-) black clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to negative battery terminal, carburetor, fuel lines or sheet metal body parts.
    c. See jumpstarting step 7 to continue.
- Follow instructions for a positive grounded system as indicated below:
    a. Securely connect the negative (-) black clamp to the negative (Neg, N, -) ungrounded terminal of the vehicle battery.
    b. Securely connect the positive (+) red clamp to the vehicle chassis, engine block or a non-moving metal part of the vehicle which is verified to be grounded. Do not clamp directly to positive battery terminal, carburetor, fuel lines or sheet metal body parts.
    c. See jumpstarting step 7 to continue.

7. Set On/Off safety switch to "ON" after clamps are secure on battery post.
8. Allow 2 or 3 minutes of charging time. It is recommended to have a second person to assist holding the unit securely in place during the next steps.
9. Turn on the vehicle to attempt to start the engine. If the vehicle does not start after 4 to 5 seconds of engine cranking, then stop. Wait 3 to 4 minutes, and then try again. Repeat several times until the vehicle starts.

CAUTION: Excessive engine cranking can damage the vehicle starter motor. If the engine turns but fails to start after several attempts, other technical problems might be involved. Discontinue cranking the engine

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until the other problem is determined and corrected.

10. Standing as far away from the vehicle battery as is practical, disconnect the clamps in reverse sequence to the connection procedure:
    - For negative grounded systems, first disconnect negative (black) then positive (red) clamps.
    - For positive grounded systems, first disconnect positive (red) then negative (black) clamps.

USING THE AIR COMPRESSOR

WARNING: Check the item to be inflated for the manufacturer's maximum recommended inflation pressure. Avoid over-inflation. Most tires are properly inflated between 24–35 PSI. Some truck and bicycle tires require 40 PSI or more.

Inflating tires

1. Remove the cap from the air valve stem. Note: Make sure locking thumb lever is in the UP position. If necessary, use a valve stem adapter.
2. Attach the stem connector to the valve stem. Make sure connector is pushed onto the valve stem as far as possible.
3. Press down the locking thumb lever to engage.
4. Set the unit's On/Off safety switch to the "ON" position.
5. Set the compressor On/Off switch to the "ON" position by pressing down the section of the switch marked "I". Note: In the event that the tire is completely flat, raise the vehicle using a recommended jack before inflating the tire.
6. Monitor pressure on the air pressure gauge. Note: It is recommended to use a separate air gauge to verify the actual inflation pressure.

7. When the desired pressure is reached, turn off compressor and turn the locking thumb lever to the UP position. Remove the stem connector from valve stem. Also remove the valve stem adapter if applicable.
8. Replace the cap on the air valve stem.

Inflating plastic inflatables (balls, air mattresses, rubber rafts, etc.)

Check manufacturer's specifications on items to be inflated for correct inflation pressure.

1. Remove the cap from the air valve stem.
2. Insert the proper valve stem adapter into stem connector as far as possible and turn the locking thumb lever to the DOWN position.
3. Insert the other end of the valve stem adapter into the inflatable air valve stem as far as practical.
4. Set the unit's On/Off safety switch to the "ON" position.
5. Set the compressor On/Off switch to the "ON" position.
6. Monitor pressure on the air pressure gauge.
7. When the desired pressure is reached, turn off compressor and turn the locking thumb lever to the UP position. Remove the stem connector from the valve stem. Also remove the valve stem adapter if applicable.
8. Replace the cap on the air valve stem.

DC POWER PORT

The DC power ports (accessory sockets) are located to the left and right side of the front of the unit. The ports can power a DC load of up to 11 Amps. Overloading the ports may result in "tripping" a self-resetting circuit breaker. Removing the overload automatically restores power to the DC Power Ports.

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1. Uncover the dust cover from the Power Port.
2. Insert the 12V DC accessory plug into the Power Port.
3. Set the On/Off safety switch to the "ON" position.
4. Set the power port On/Off switch to the "ON" position by pressing down the section of the switch marked "I".
5. Operate the appliance as usual.
6. After use, set the power port On/Off switch to the "OFF" position by pressing down the section of the switch marked "O".
7. Disconnect the accessory plug from the Power Port and store the accessory.
8. Replace the Power Port's dust cover.
9. Recharge the unit as soon as convenient.

USB POWER PORT

Set the On/Off safety switch to the "On" position. A USB Power Port located underneath the charging jack can power/charge devices that require 5 Volts at up to 500mA through the use of a user-supplied cord.

STORAGE

This unit may be stored in any position. Make sure the clamps are secure inside the booster cable storage covers. Store at room temperature. If not used for a prolonged period of time, recharge every 2 months in the winter and every month in the summer.

SPECIFICATIONS

Power Supply Battery	14AH sealed lead acid
Power Supply DC Output:	12 volts nominal
Air Compressor	260 PSI
Power Supply Charging Time (First Time Charging using AC Charger)	38 hours
Power Supply Charging Time (recharging with AC charger)	34 hours
Power Supply Charging Time (recharging with 12 volt DC charger)	14 hours
Storage	Store in a cool dry area.

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WAGAN CORP. LIMITED WARRANTY

All WAGAN Corporation products are warranted to the original purchaser of this product.

Warranty Duration: This product is warranted to the original purchaser for a period of one (1) Year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please contact WAGAN Corporation at (800) 231-5806 to obtain a Returned Merchandise Authorization number (RMA#), and return instructions. Each item returned will require a separate RMA#. After you have received the RMA# and the return instructions from WAGAN Corporation, please follow the instructions and send the item with PREPAID SHIPPING, along with all of the required documentation, a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part.

A Returned Merchandise Authorization number (RMA#) is REQUIRED when sending in any defective item. WAGAN Corporation is not responsible for any item(s) returned without an official Returned Merchandise Authorization number. The item(s) must be returned with prepaid shipping. WAGAN Corporation is not responsible for any shipping charges incurred in returning the item(s) back to the company for repair or replacement. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty is effective only if the product is purchased and operated in the USA and does not extend to any units which have been used in violation of written instructions furnished.

Warranty Disclaimers: This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

Warranty Performance: During the above one (1) Year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the one (1) Year warranty period.
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☑ Please activate my limited warranty for WAGAN Corp.

Name		
Mailing address		
City		
State, Zip code		
E-mail address		
Item purchased		Item no.
Store name		
Date of purchase		
Signature		*Date*

All WAGAN Corporation Products must be registered within (30) days of purchase to activate this warranty. Mail the complete registration form, along with a copy of the original sales receipt to:

Attn: Customer Service
WAGAN Corporation
31088 San Clemente St.
Hayward, CA 94544

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